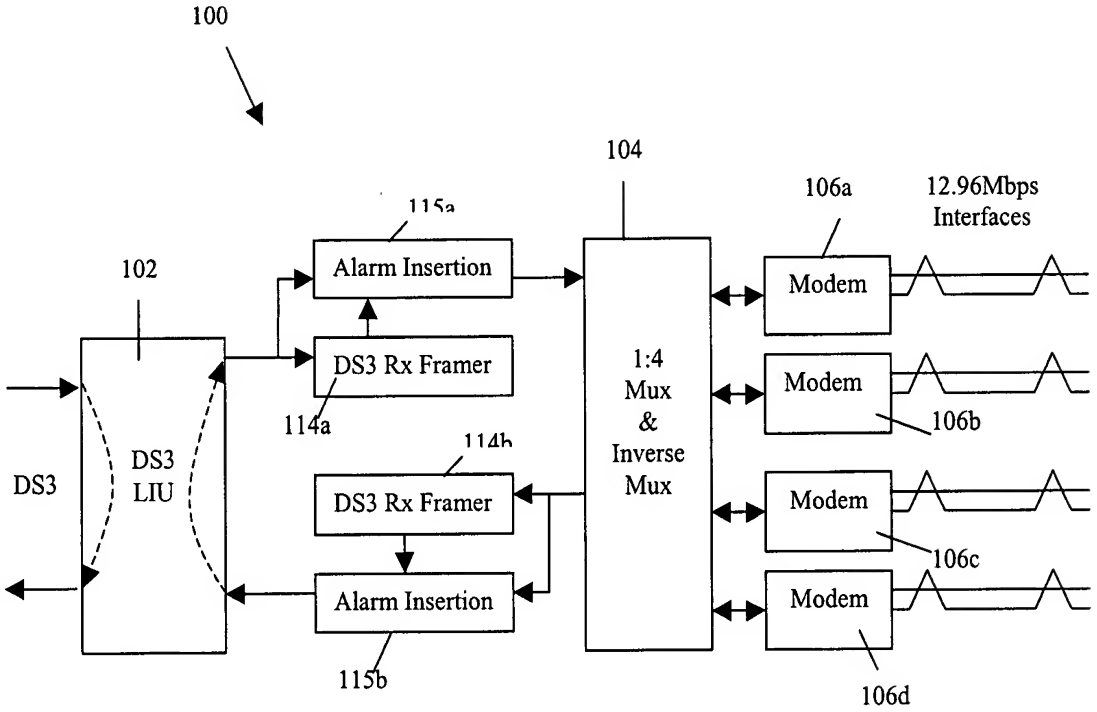
100
104
106a
12.96Mbps
Interfaces
115a
Alarm Insertion
102
Modem
DS3 Rx Framer
1:4
Mux
&
Inverse
Mux
Modem
106b
114a
DS3
DS3
LIU
114b
DS3 Rx Framer
Modem
106c
Alarm Insertion
Modem
115b
106d

Figure 1

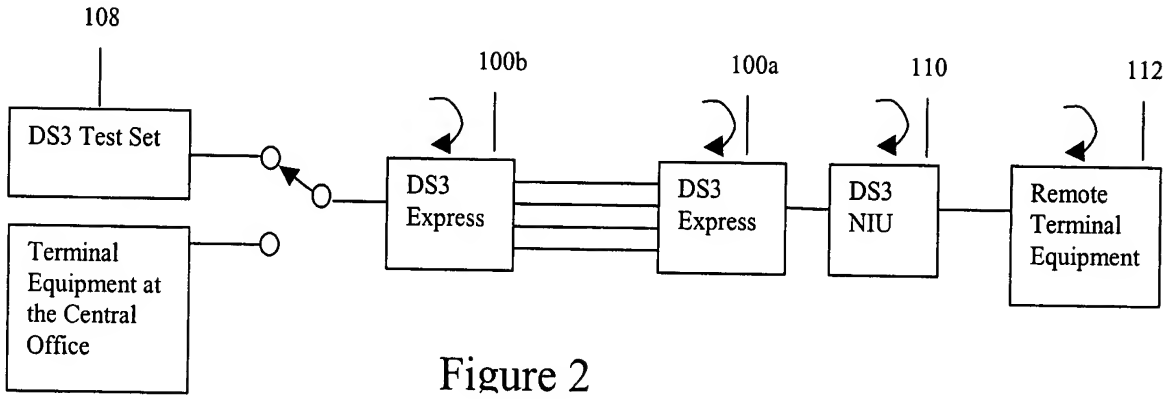
108
DS3 Test Set
Terminal Equipment at the Central Office
100b
DS3 Express
100a
DS3 Express
110
DS3 NIU
112
Remote Terminal Equipment

Figure 2

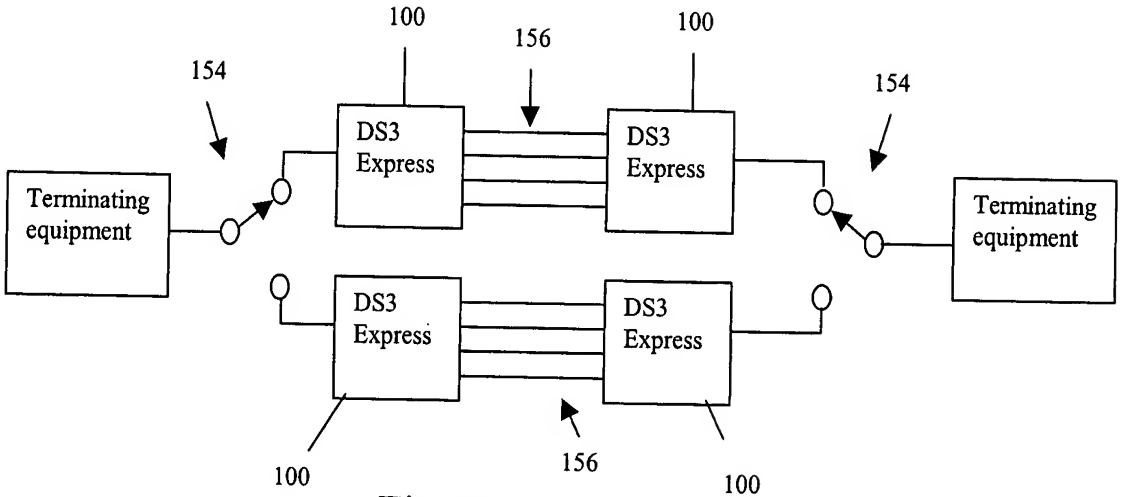
100
156
100
154
154
DS3
Express
DS3
Express
Terminating
equipment
Terminating
equipment
DS3
Express
DS3
Express
100
156
100

Figure 3

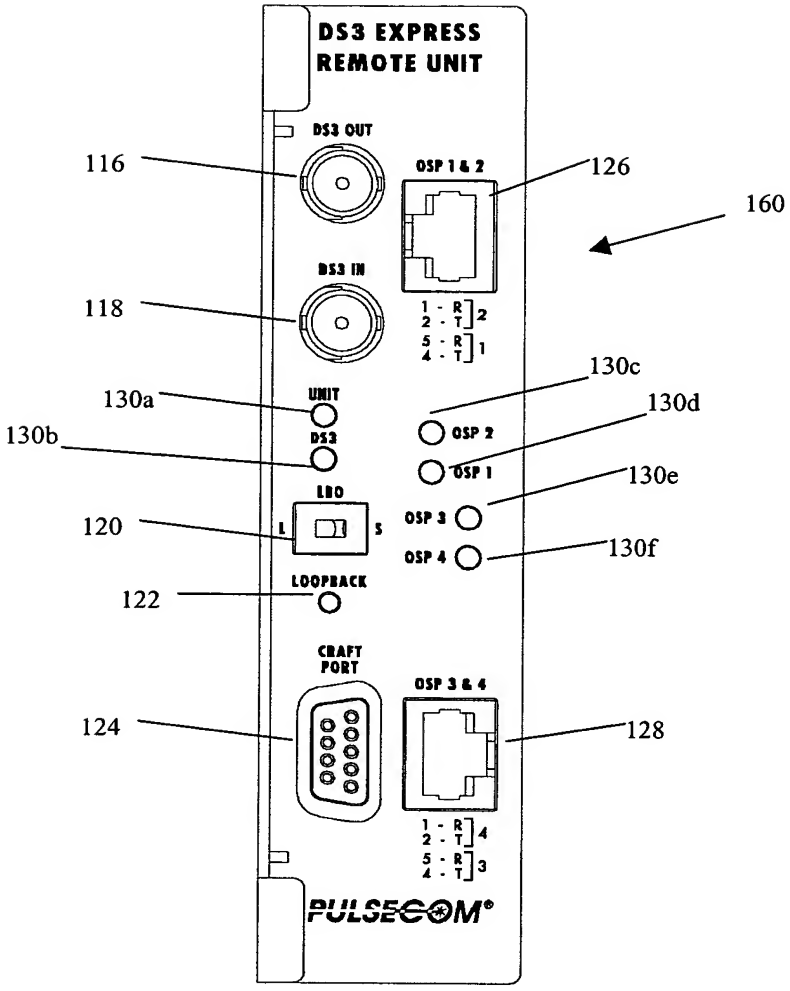
DS3 EXPRESS
REMOTE UNIT
DS3 OUT
OSP 1 & 2
DS3 IN
1 - R
2 - T
2
5 - R
4 - T
1
UNIT
DS3
OSP 2
OSP 1
LBO
L
S
OSP 3
OSP 4
LOOPBACK
CRAFT
PORT
OSP 3 & 4
1 - R
2 - T
4
5 - R
4 - T
3
PULSECOM
116
118
120
122
124
126
128
130a
130b
130c
130d
130e
130f
160

Figure 4

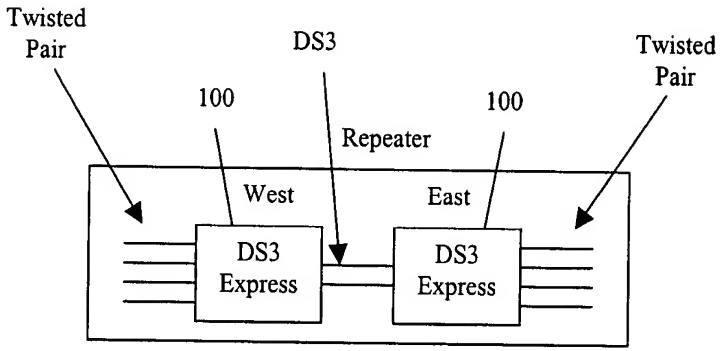
Twisted
Pair
DS3
Twisted
Pair
100
100
Repeater
West
East
DS3
Express
DS3
Express

Figure 5a

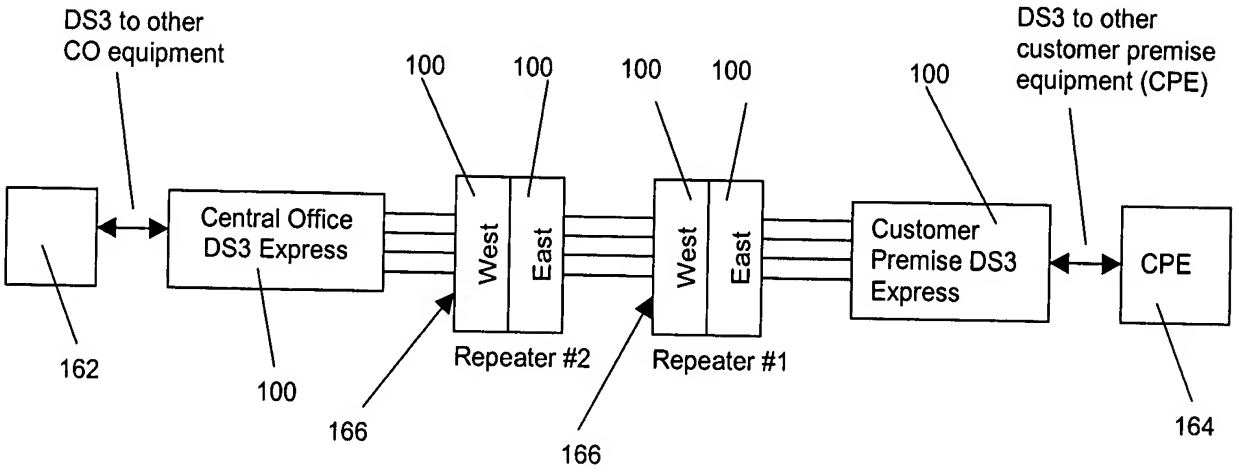
DS3 to other
CO equipment
100
100
100
100
100
DS3 to other
customer premise
equipment (CPE)
Central Office
DS3 Express
West
East
West
East
Customer
Premise DS3
Express
CPE
162
100
166
Repeater #2
Repeater #1
166
164

Figure 5B

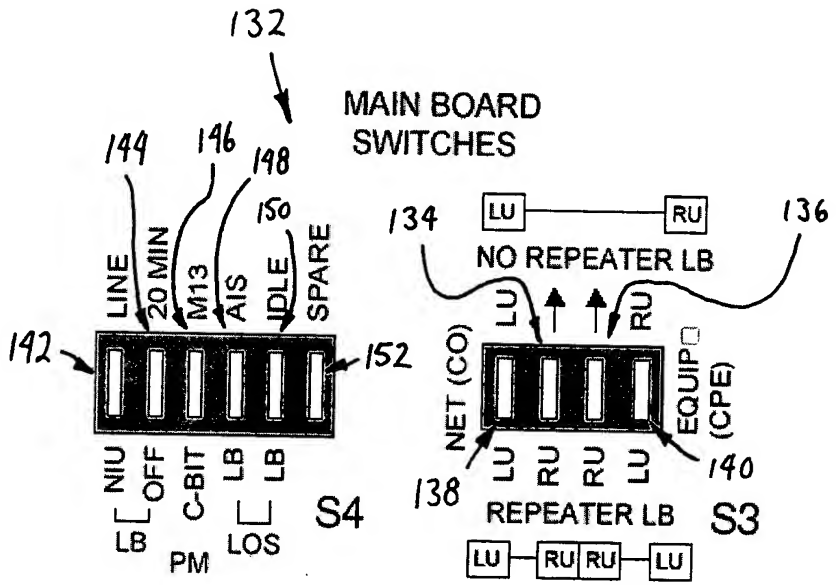
132
MAIN BOARD
SWITCHES
144
146
148
150
LINE
20 MIN
M13
AIS
IDLE
SPARE
142
152
NIU
OFF
C-BIT
LB
LB
LB
PM
LOS
S4
134
LU
RU
136
NO REPEATER LB
LU
RU
NET (CO)
EQUIP
(CPE)
138
LU
RU
RU
LU
140
REPEATER LB
S3
LU
RU
RU
LU

Figure 6